

## REMARKS

### 35 U.S.C. Section 112 Rejections

Applicant has amended the claims of the present application to obviate the cited 35 USC Section 112 rejections.

### 35 U.S.C. Section 102 Rejections

Paragraphs 6 and 7 of the above referenced Office Action rejects independent claims 1, 9, and 18 as being anticipated by Moreno (US 6,678,795). Applicants have herein amended independent claims 1, 9, and 18 to more particularly point out aspects of the present invention. As such, Applicants respectfully assert that the amended independent claims are not anticipated by Moreno.

Applicants have amended the independent claims to point out that trackers within the prefetch apparatus are configured to recognize an access to a plurality of cache lines of a stream type access pattern by a processor of the computer system, and use a bit vector to predictively load a target cache line of the stream-type access pattern of the high latency memory into a low latency memory for the processor. Applicants assert that the disclosure of Moreno does not disclose or suggest the detection of stream type access patterns and the prefetching of cache lines based on the detected stream type

access patterns. This limitation has been included in each of the independent claims of the present application.

Accordingly, Applicants assert that the present invention as recited in independent claims 1, 9, and 18, is not anticipated by Moreno within the meaning of 35 USC Section 102.

### 35 U.S.C. Section 103 Rejections

With regard to the cited 35 USC section 103 rejections, Applicants have amended the independent claims to point out trackers within the prefetch apparatus are configured to recognize an access to a plurality of cache lines of a stream type access pattern by a processor of the computer system, and use a bit vector to predictively load a target cache line of the access pattern of the high latency memory into a low latency memory for the processor. For the rationale described above, this limitation is not disclosed or suggested by Moreno alone, or in conjunction with Bittel (6,820,173), Brooks (US 6,081,868), or Microsoft Computer Dictionary. This limitation has been included in each of the independent claims of the present application.

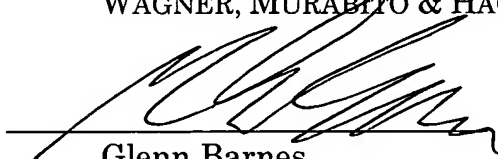
Accordingly, Applicants assert that the present invention as recited in independent claims 1, 9, and 18, is not rendered obvious by the cited references within the meaning of 35 USC Section 103.

CONCLUSION

The Examiner is urged to contact Applicants' undersigned representative if the Examiner believes such action would expedite resolution of the present Application. Please charge any additional fees or apply any credits to our PTO deposit account number: 23-0085.

Respectfully submitted,  
WAGNER, MURABITO & HAO

Dated: 6/06, 2006

A handwritten signature in black ink, appearing to read 'Glenn Barnes', is written over a horizontal line.

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